

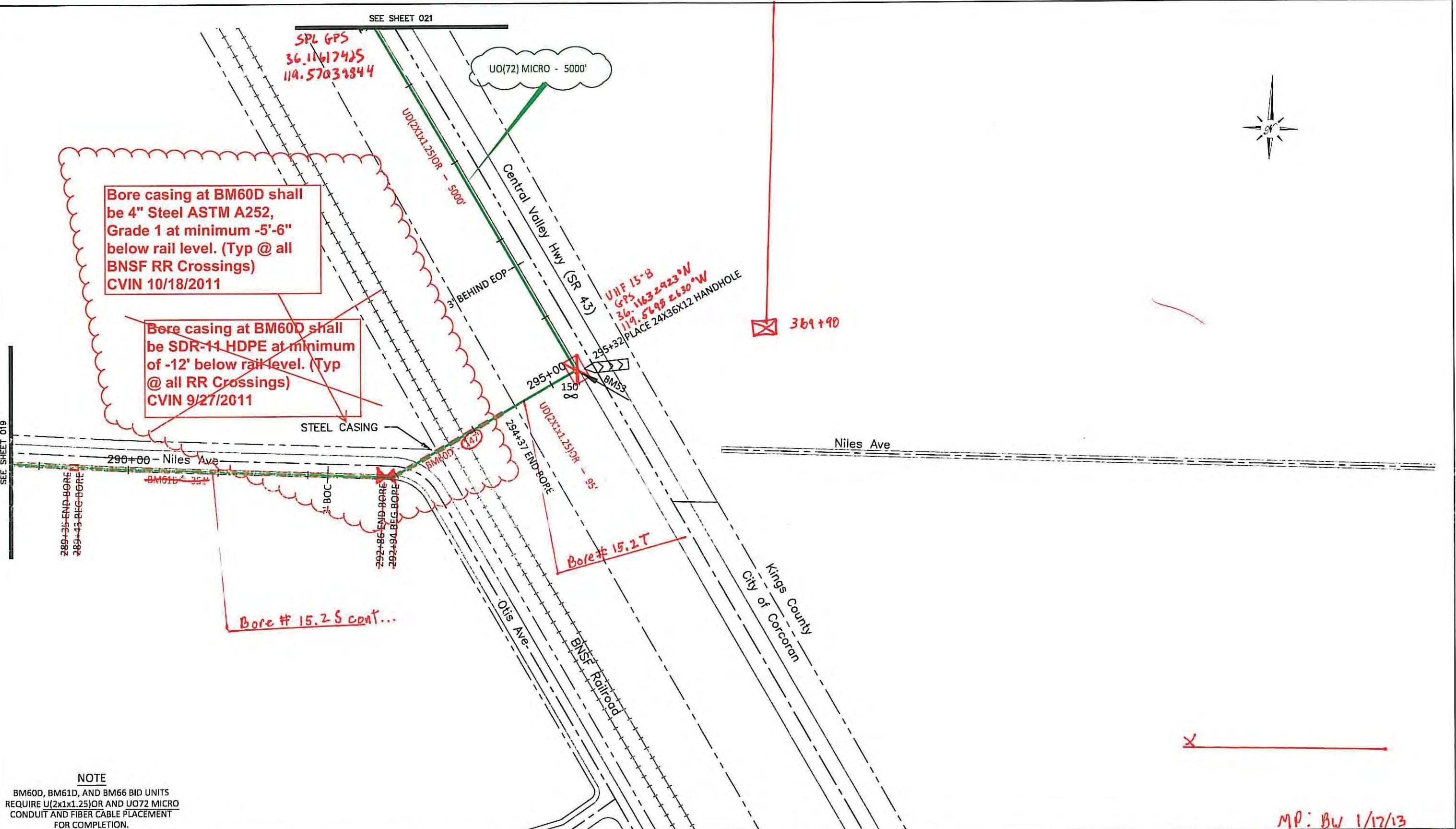
California High-Speed Rail Authority



RFP No.: HSR 13-57

**Request for Proposal
for Design-Build Services for Construction Package 2-3**

Reference Materials, Part A.5 – CVIN SR43 As-Builts



TABULATION	TABULATION	TABULATION	TABULATION	TABULATION	TABULATION	REV	DATE	DESCRIPTION	BY	CKD	APPV'D
UNIT	QTY	UNIT	QTY	UNIT	QTY	UNIT	QTY	UNIT	QTY		
BM53	1	BM66-G	0'	UD-A	0'	FT	0				
BM60D & U(2x1x1.25")OR	147'	BR	0'	UD-S	0'	WY	0				
BM61D & U(2x1x1.25")OR	354'	FD-A	0'	UHF[24X36X12]	15-8	X	Pending Caltrans Permit				
BM66 & U(2x1x1.25")OR	0'	HUO(72)	0'	UHF[24X36X30]	0						
BM71C	0'	UD(2x1x1.25")OR P	10-101	UHF[24X36X30]T	0						
BM72	0'	UD(1x10/12mm)V	5095'	UHF[48X48X36]T	0						
BM73	0'	UO(72) MICRO (W/ STORAGE)	5150'	UHF[36X60X36]T	0						
CVIN REV 1 10/18/2011											

Engineering Associates, Inc.
445 W. 11th St. (Suite B)
Tracy, Ca. 95376
Ph. 209-830-0162
Fax 209-830-8157

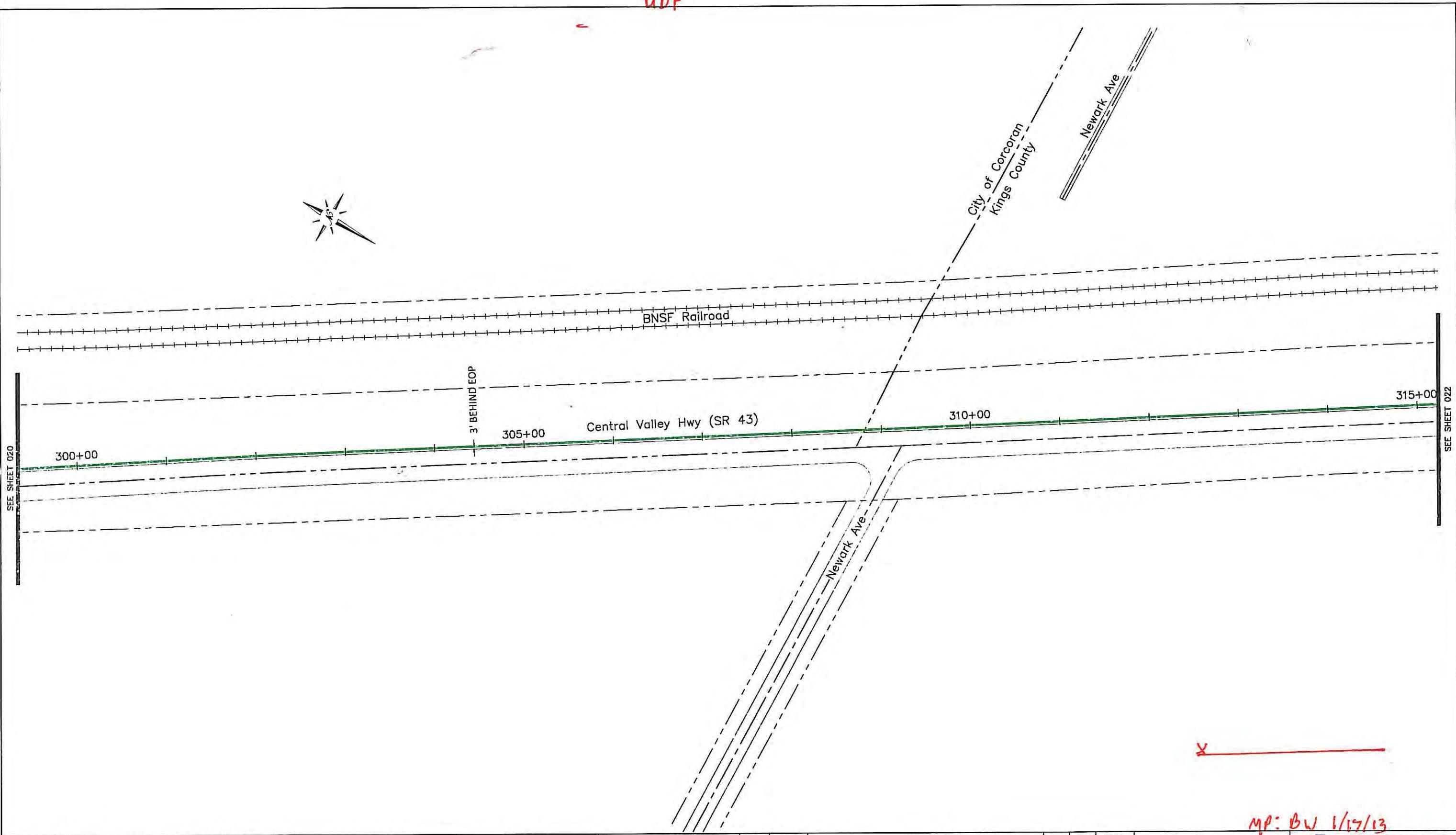


CVIN
CENTRAL VALLEY
INDEPENDENT NETWORK
855 M Street, Suite 1120, Fresno, CA 93721

DATE: 9/27/2011 SCALE: 1:100 SEGMENT: 15 WAUKENA-LEMOORE GRID: 020

MP: BW 1/17/13

UDP

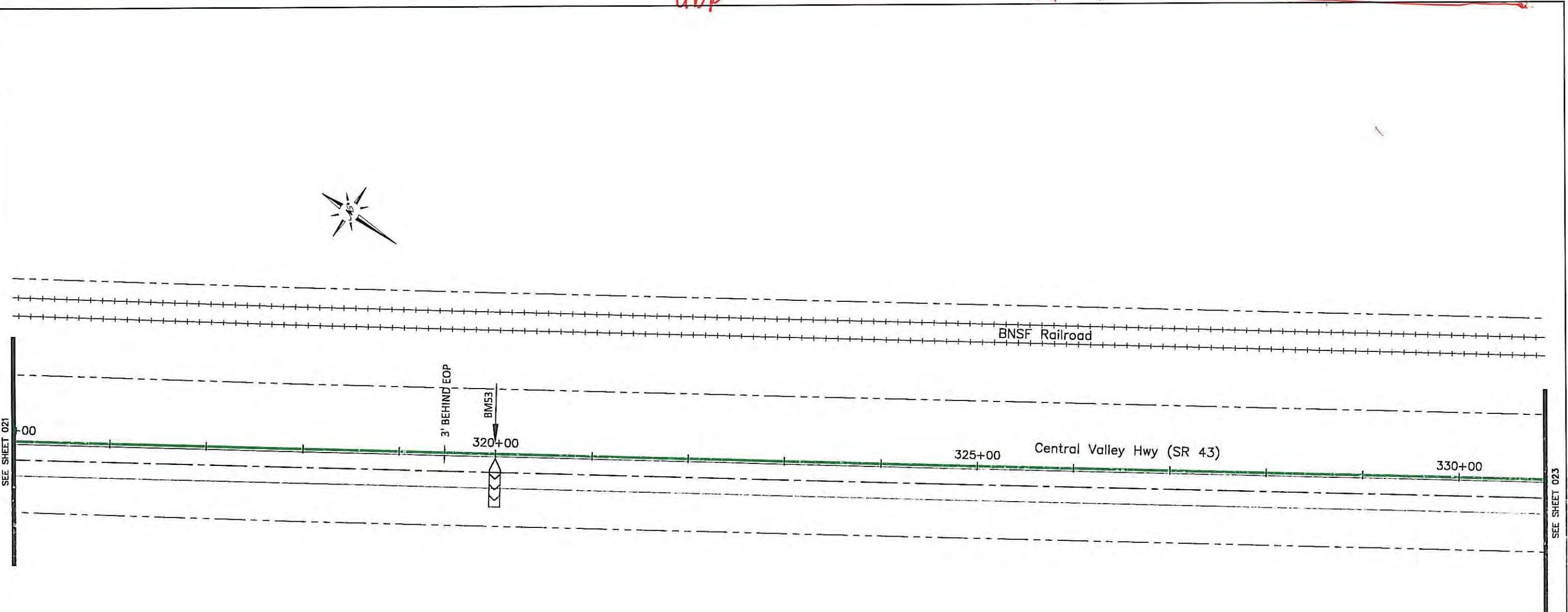


TABULATION		TABULATION		TABULATION		TABULATION		TABULATION		REV	DATE	DESCRIPTION		BY	CKD	APPV'D	Engineering Associates, Inc.		CVIN CENTRAL VALLEY INDEPENDENT NETWORK
UNIT	QTY	UNIT	QTY	UNIT	QTY	UNIT	QTY	UNIT	QTY									855 M Street, Suite 1120, Fresno, CA 93721	
BM53	0'	BM96-G	0'	UD-A	0'	FT	0'												
BM60D & U(2x1x1.25")OR	0'	BR	0'	UD-S	0'	WY	0'											Ph. 209-830-0162	
BM61D & U(2x1x1.25")OR	0'	FD-A	0'	UHF[24X36X12]	0'													Fax 209-830-8157	
BM66 & U(2x1x1.25")OR	0'	HUO(72)	0'	UHF[24X36X30]	0'														
BM71C	0'	UD(2x1x1.25")OR	0'	UHF[24X36X30]T	0'														
BM72	0'	UD(3x10/12mm)V	0'	UHF[48X48X36]T	0'														
BM73	0'	UO(72) MICRO (W/ STORAGE)	0'	UHF[36X60X36]T	0'														

MP: BW 1/17/13

DATE: 9/27/2011 | SCALE: 1:100 | SEGMENT: 15 WAUKENA-LEMOORE | GRID: 021

UOP



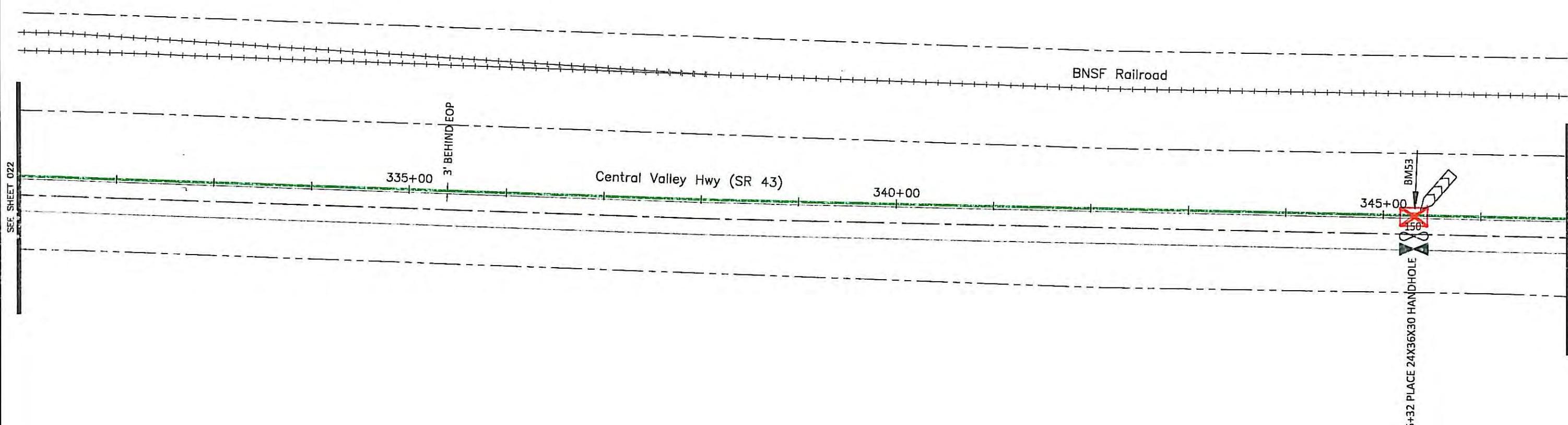
MP: BW 1/17/13

TABULATION		TABULATION		TABULATION		TABULATION		TABULATION		REV	DATE	DESCRIPTION		BY	CKD	APPV'D	Engineering Associates, Inc.		 CVIN CENTRAL VALLEY INDEPENDENT NETWORK 855 M Street, Suite 1120, Fresno, CA 93721
UNIT	QTY	UNIT	QTY	UNIT	QTY	UNIT	QTY	UNIT	QTY										
BM53	1	BM96-G	0'	UD-A	0'	FT	0												
BM60D & U(2x1x1.25")OR	0'	BR	0'	UD-S	0'	WY	0												
BM61D & U(2x1x1.25")OR	0'	FD-A	0	UHF(24X36X12)	0														
BM66 & U(2x1x1.25")OR	0'	HUO(72)	0	UHF(24X36X30)	0														
BM71C	0'	UD(2x1x1.25")OR	0'	UHF(24X36X30)T	0														
BM72	0'	UD(1x10/12mm)V	0'	UHF(48X48X36)T	0														
BM73	0'	UO(72) MICRO (W/ STORAGE)	0'	UHF(36X60X36)T	0														

~~U2P 5240~~

317+50

36.12883879°N
119.57895616°W



RFP No. 13-57 - Addendum No. 3 - 07/31/2014

MP: BW 1/17/13

TABULATION		TABULATION		TABULATION		TABULATION		TABULATION		REV	DATE	DESCRIPTION		BY	CKD	APPV'D
UNIT	QTY	UNIT	QTY	UNIT	QTY	UNIT	QTY	UNIT	QTY							
BM53	1	BM96-G	0'	UD-A	0'	FT	0									
BM60D & U(2x1x1.25")OR	0'	BR	0'	UD-S	0'	WY	0									
BM61D & U(2x1x1.25")OR	0'	FD-A	0	UHF(24X36X12)	0											
BM66 & U(2x1x1.25")OR	0'	HUO(72)	1	UHF(24X36X30)	15-9	1										
BM71C	0'	UD(2x1x1.25")OR	0'	UHF(24X36X30)T	0											
BM72	0'	UD(1x10/12mm)V	0'	UHF(48X48X36)T	0											
BM73	0'	UD(72) MICRO (W/ STORAGE)	150'	UHF(36X60X36)T	0											

Engineering Associates, Inc.
445 W. 11th St. (Suite B)
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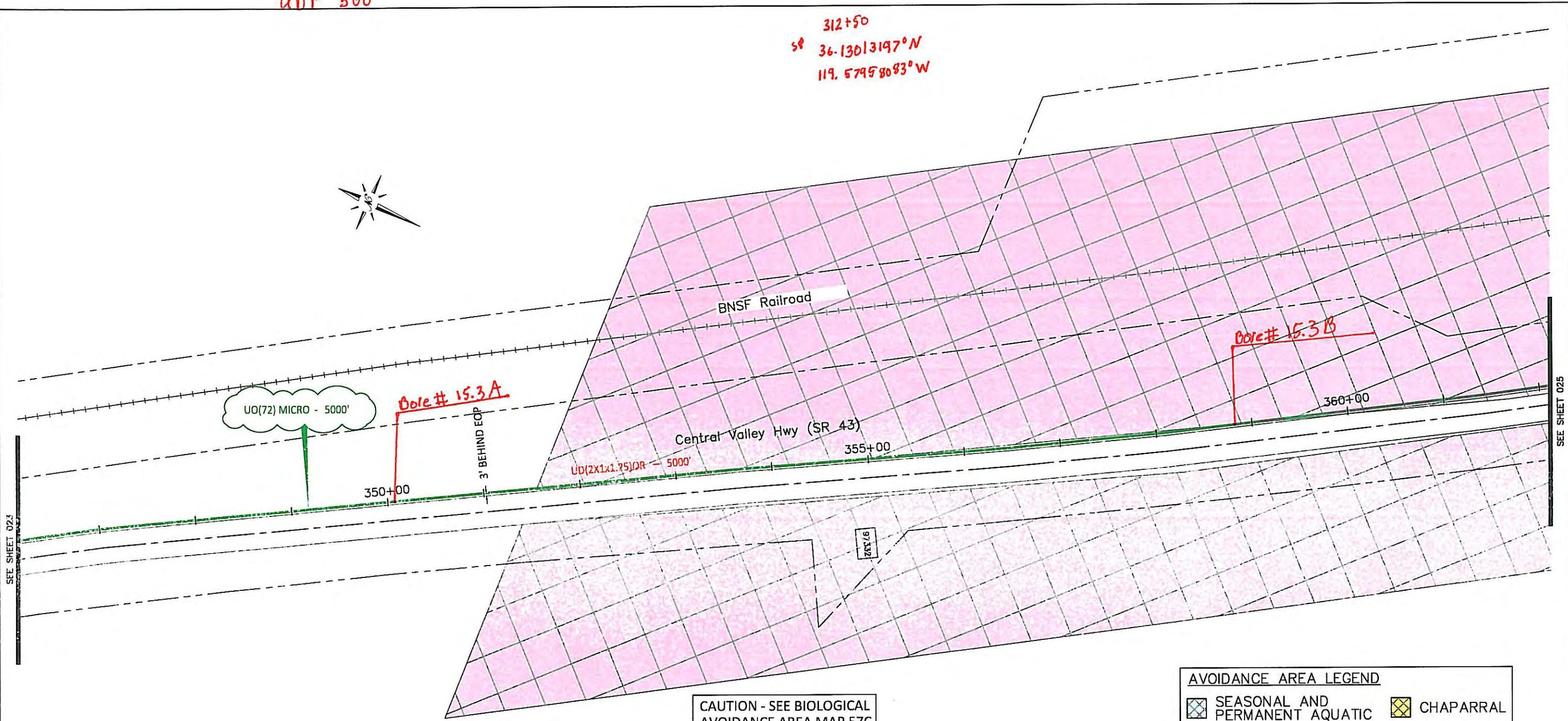
FA

CVIN
CENTRAL VALLEY
INDEPENDENT NETWORK
855 M Street, Suite 1120, Fresno, CA 93721

DATE: 9/27/2011 SCALE: 1:100 SEGMENT: 15 WAUKENA-LEMOORE GRID: 023

UNP 500'

312 + 50
S⁸ 36° 13' 01" N
119° 57' 45" W



**CAUTION - SEE BIOLOGICAL
AVOIDANCE AREA MAP 57C
ON SHEET B1**

AVOIDANCE AREA LEGEND

	SEASONAL AND PERMANENT AQUATIC		CHAPARRAL
	AGRICULTURE		WOODLAND
	GRASSLAND		RIPARIAN
	ALKALI SCRUB		DEVELOPED
	RUDERAL		

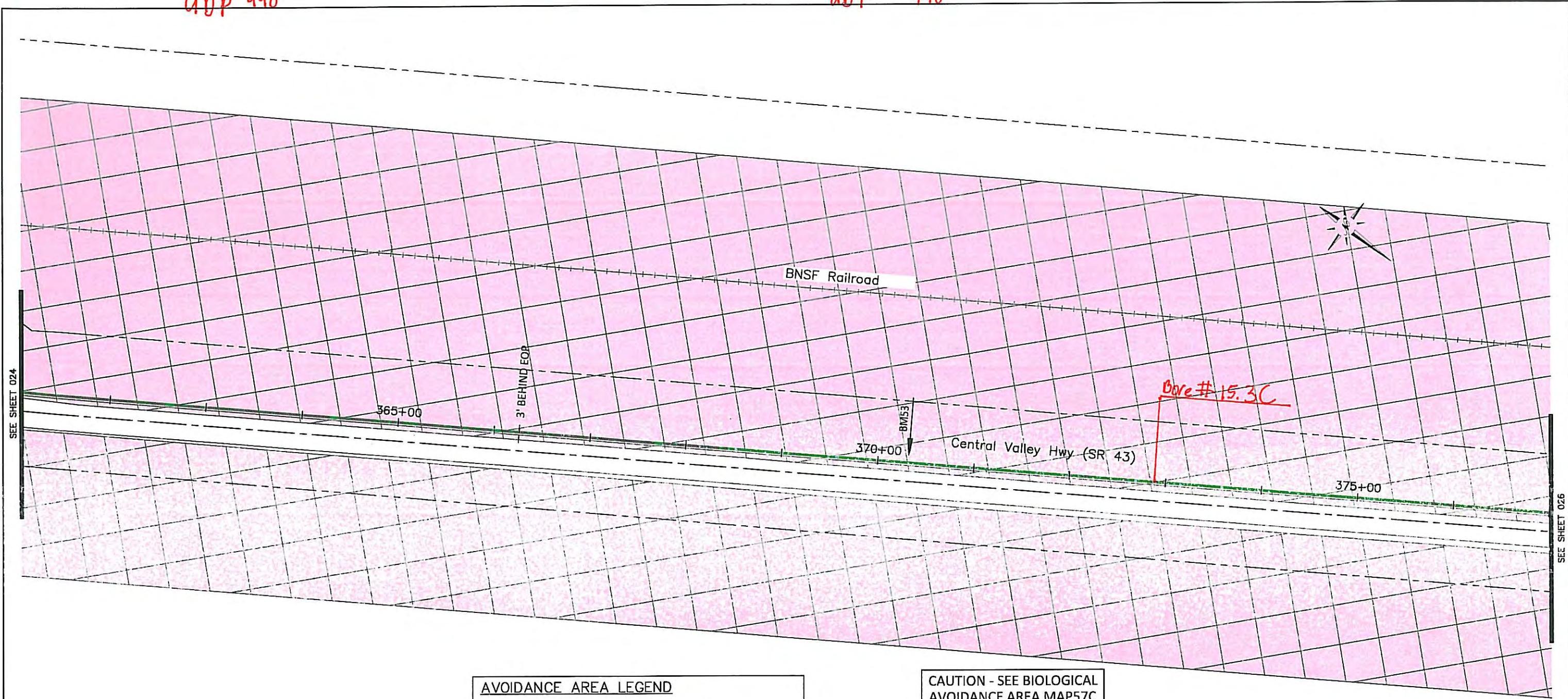
~~x my~~

MP: BW 1/17/13

TABULATION		TABULATION		TABULATION		TABULATION		TABULATION		REV	DATE	DESCRIPTION		BY	CKD	APPV'D	Engineering Associates, Inc. 445 W. 11th St. (Suite B) Tracy, Ca. 95376 Ph. 209-830-0162 Fax 209-830-8157	CVIN CENTRAL VALLEY INDEPENDENT NETWORK 855 M Street, Suite 1120, Fresno, CA 93721
UNIT	QTY	UNIT	QTY	UNIT	QTY	UNIT	QTY	UNIT	QTY									
' 25")OR	0	BM96-G	0'	UD-A	0'	FT	0											
"OR	0'	BR	0'	UD-S	0'	WY	0											
	0'	FD-A	0	UHF[24X36X12]	0													
	0'	HUO[72]	0	UHF[24X36X30]	0													
	0'	UD[2x1x1.25")OR	5000'	UHF[24X36X30]T	0											DATE:	SCALE:	
	0'	UD[1x10/12mm)V	0"	UHF[48X48X36]T	0											9/27/2011	1:100	
	0'	UO[72] MICRO (W/ STORAGE)	5000'	UHF[36X60X36]T	0											SEGMENT: 15 WAUKENA-LEMOORE	GRID: 024	

UDP 990'

UDP 990'



AVOIDANCE AREA LEGEND

	SEASONAL AND PERMANENT AQUATIC		CHAPARRAL
	AGRICULTURE		WOODLAND
	GRASSLAND		RIPARIAN
	ALKALI SCRUB		DEVELOPED
	RUDERAL		

CAUTION - SEE BIOLOGICAL
AVOIDANCE AREA MAP57C
ON SHEET B1

MP: BW 1/17/13

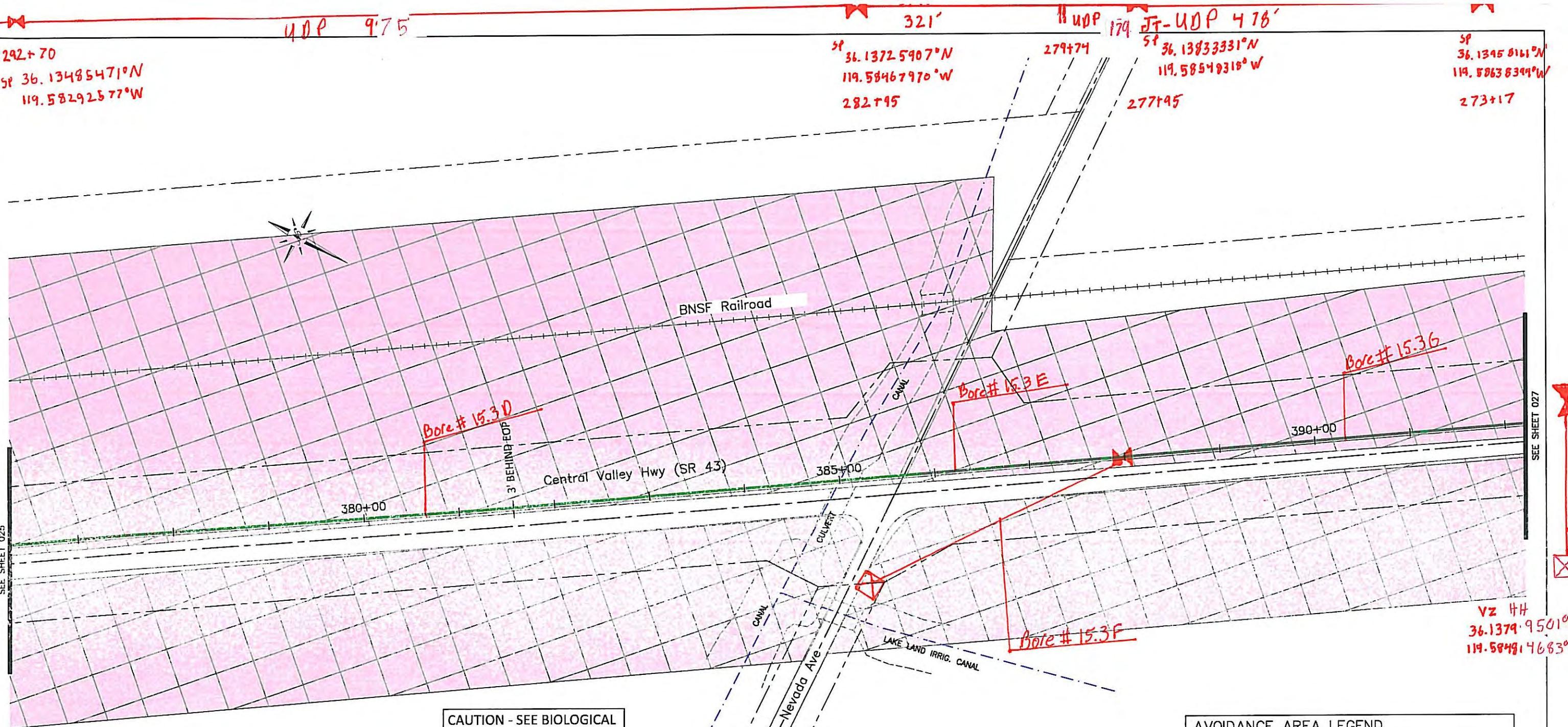
TABULATION		TABULATION		TABULATION		TABULATION		TABULATION		REV	DATE	DESCRIPTION		BY	CKD	APPV'D
UNIT	QTY	UNIT	QTY	UNIT	QTY	UNIT	QTY	UNIT	QTY							
BM53	1	BM96-G	0'	UD-A	0'	FT	0'									
BM60D & U(2x1x1.25")OR	0'	BR	0'	UD-S	0'	WY	0'									
BM61D & U(2x1x1.25")OR	0'	FD-A	0'	UHF(24X36X12)	0'											
BM66 & U(2x1x1.25")OR	0'	HUO(72)	0'	UHF(24X36X30)	0'											
BM71C	0'	UD(2x1x1.25")OR	0'	UHF(24X36X30)T	0'											
BM72	0'	UD(1x10/12mm)V	0'	UHF(48X48X35)T	0'											
BM73	0'	UO(72) MICRO (W/ STORAGE)	0'	UHF(36X60X35)T	0'											

Engineering Associates, Inc.
445 W. 11th St. (Suite B)
Tracy, Ca. 95376
Ph. 209-830-0162
Fax 209-830-8157



CVIN
CENTRAL VALLEY
INDEPENDENT NETWORK
855 M Street, Suite 1120, Fresno, CA 93721

DATE: 9/27/2011 SCALE: 1:100 SEGMENT: 15 WAUKENA-LEMOORE GRID: 025



AVOIDANCE AREA LEGEND	
<input checked="" type="checkbox"/>	SEASONAL AND PERMANENT AQUATIC
<input checked="" type="checkbox"/>	AGRICULTURE
<input checked="" type="checkbox"/>	GRASSLAND
<input checked="" type="checkbox"/>	ALKALI SCRUB
<input checked="" type="checkbox"/>	RUDERAL
<input checked="" type="checkbox"/>	CHAPARRAL
<input checked="" type="checkbox"/>	WOODLAND
<input checked="" type="checkbox"/>	RIPARIAN
<input checked="" type="checkbox"/>	DEVELOPED

TABULATION	TABULATION	TABULATION	TABULATION	TABULATION	TABULATION	REV	DATE	DESCRIPTION	BY	CKD	APPV'D	Engineering Associates, Inc.	CVIN
UNIT	QTY	UNIT	QTY	UNIT	QTY	FT	WY	UNIT	QTY			445 W. 11th St. (Suite B)	CENTRAL VALLEY INDEPENDENT NETWORK
BM53	0	BM96-G	0'	UD-A	0'							445 W. 11th St. (Suite B)	E4
BM60D & U(2x1x1.25")OR	0'	BR	0'	UD-S	0'							Tracy, Ca. 95376	
BM61D & U(2x1x1.25")OR	0'	FD-A	0	UHF[24X36X12]	0							Ph. 209-830-0162	
BM66 & U(2x1x1.25")OR	0'	HUD(72)	0	UHF[24X36X30]	0							Fax 209-830-8157	
BM71C	0'	UD(2x1x1.25")OR	0'	UHF[24X36X30]T	0							DATE:	
BM72	0'	UD(3x10/12mm)V	0'	UHF[48X48X36]T	0							SCALE:	
BM73	0'	UD(72) MICRO (W/ STORAGE)	0'	UHF[36X60X36]T	0							SEGMENT:	
												GRID:	
												15 WAUKENA-LEMOORE	026

MP: BW 1/17/13

JT UOP 477

JT UDP 370'

JT UDP 480 →

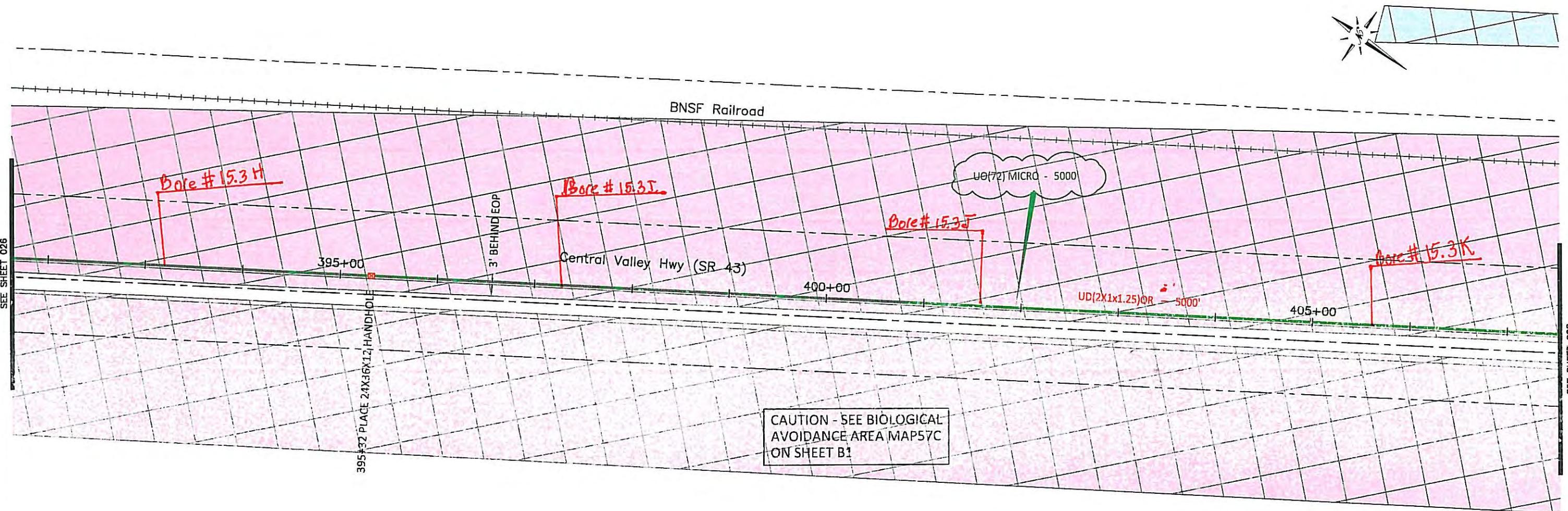
J T-UDP 435

288 + 40
Lat 36.14083452° N
Long. 5872.9379° W

264+70
SP 36.14153806°N
119.58782049°W

25°49'0
36.14268240°N
119.58864951°W

255+55
5P
36.14392697°N
119.58956046°W



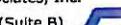
~~CAUTION - SEE BIOLOGICAL
AVOIDANCE AREA MAP 57C
ON SHEET B1~~

AVOIDANCE AREA LEGEND

	SEASONAL AND PERMANENT AQUATIC		CHAPARRAL
	AGRICULTURE		WOODLAND
	GRASSLAND		RIPARIAN
	ALKALI SCRUB		DEVELOPED
	RUDERAL		

X MF

MP: BW 1/17/13

TABULATION		TABULATION		TABULATION		TABULATION		TABULATION		REV	DATE	DESCRIPTION		BY	CKD	APP'D	Engineering Associates, Inc. 445 W. 11th St. (Suite B) Tracy, Ca. 95376 Ph. 209-830-0162 Fax 209-830-8157	 CVIN CENTRAL VALLEY INDEPENDENT NETWORK 855 M Street, Suite 1120, Fresno, CA 93721	
UNIT	QTY	UNIT	QTY	UNIT	QTY	UNIT	QTY	UNIT	QTY										
BM53	0'	BM95-G	0'	UD-A	0'	FT	0												
BM60D & U(2x1x1.25")OR	0'	BR	0'	UD-S	0'	WY	0												
BM61D & U(2x1x1.25")OR	0'	FD-A	0	UHF(24X36X12)	0														
BM66 & U(2x1x1.25")OR	0'	HUO(72)	0	UHF(24X36X30)	0														
BM71C	0'	UD(2x1x1.25")OR	5000'	UHF(24X36X30)T	0														
BM72	0'	UD(1x10/12mm)V	0'	UHF(48X48X36)T	0														
BM73	0'	UD(72) MICRO (W/ STORAGE)	5000'	UHF(36X60X36)T	0														
																DATE: 9/27/2011	SCALE: 1:100	SEGMENT: 15 WAUKENA-LEMOORE	GRID: 027

Engineering Associates, Inc.
445 W. 11th St. (Suite B)
Tracy, Ca. 95376
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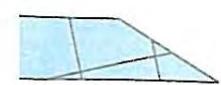


UDP 605

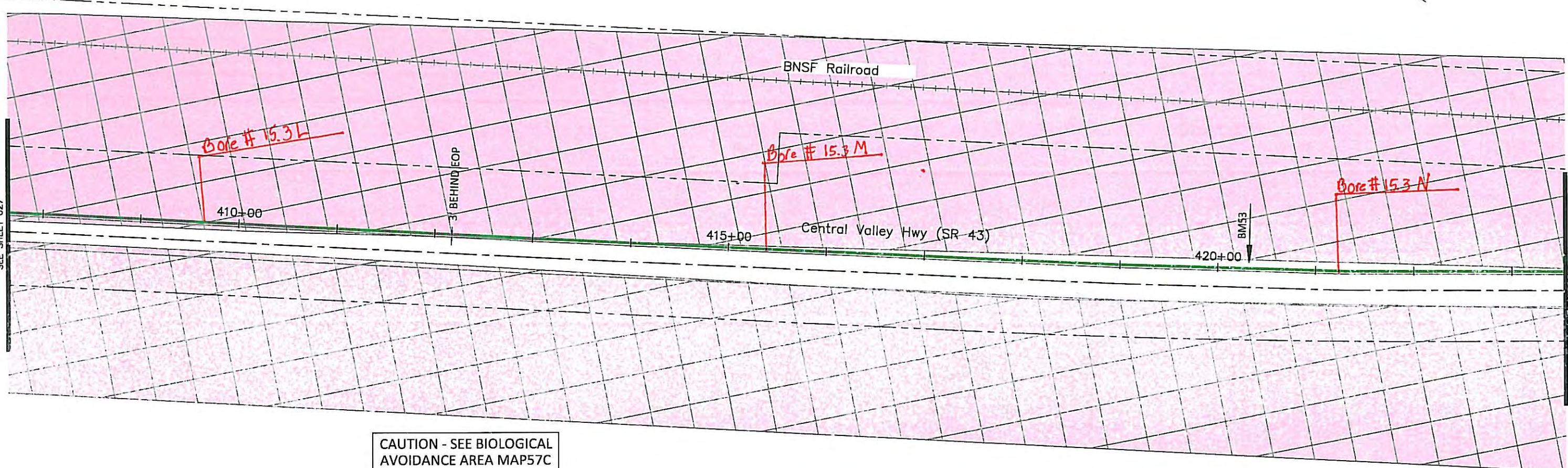
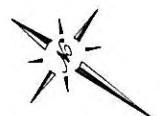
249+50
SP 36.14514661°N
119.59045199°W

244+35
SP 36.14635646°N
119.59137449°W

JT UDP 578'



1.25 →
MUD



CAUTION - SEE BIOLOGICAL
AVOIDANCE AREA MAP57C
ON SHEET B1

AVOIDANCE AREA LEGEND

<input type="checkbox"/> SEASONAL AND PERMANENT AQUATIC	<input type="checkbox"/> CHAPARRAL
<input type="checkbox"/> AGRICULTURE	<input type="checkbox"/> WOODLAND
<input type="checkbox"/> GRASSLAND	<input type="checkbox"/> RIPARIAN
<input type="checkbox"/> ALKALI SCRUB	<input type="checkbox"/> DEVELOPED
<input type="checkbox"/> RUDERAL	

~~MP: BW 1/17/13~~

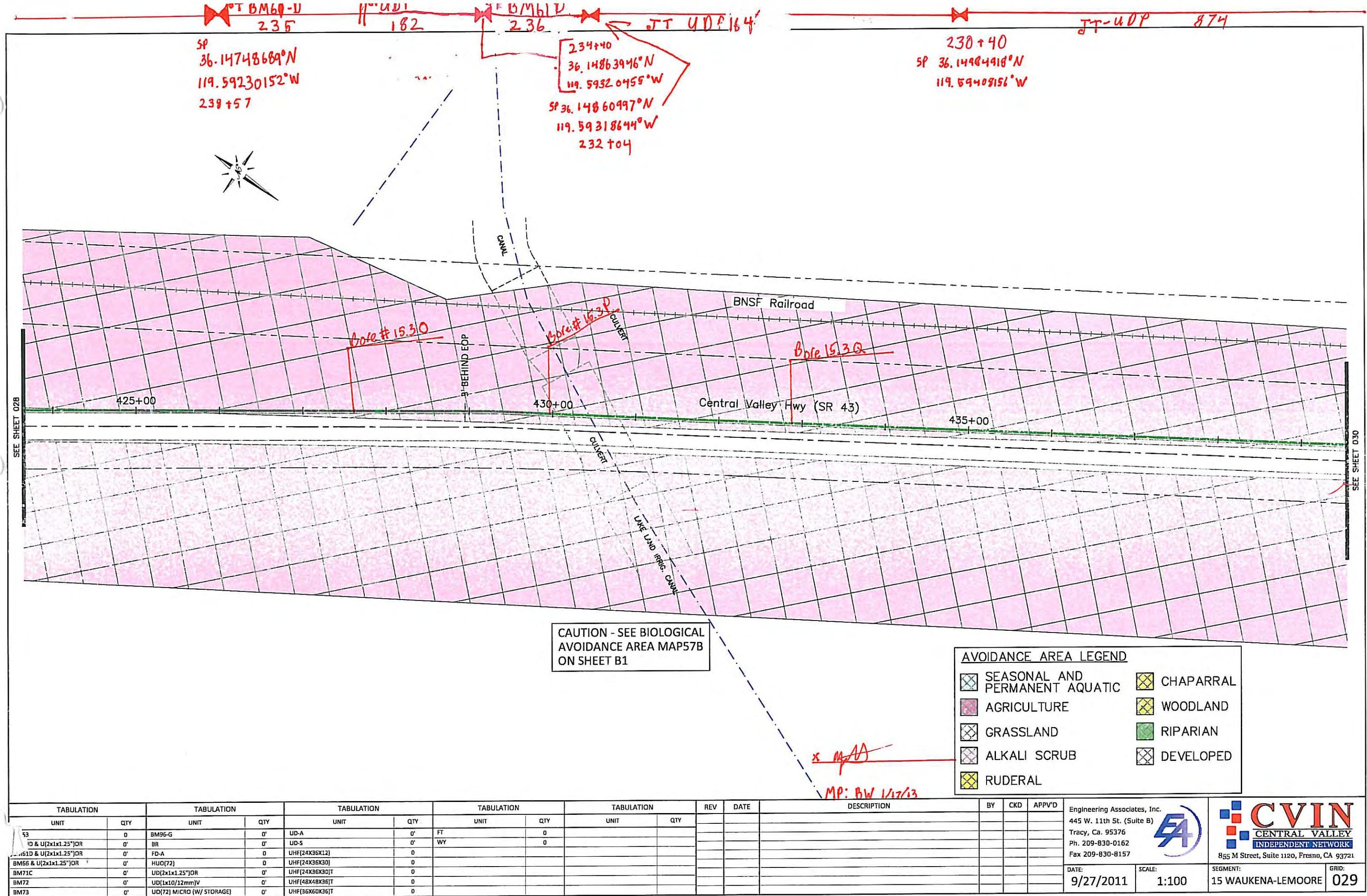
TABULATION		TABULATION		TABULATION		TABULATION		TABULATION		REV	DATE	DESCRIPTION		BY	CKD	APP'D
UNIT	QTY	UNIT	QTY	UNIT	QTY	UNIT	QTY	UNIT	QTY							
BM53	1	BM96-G	0'	UD-A	0'	FT	0'									
BM60D & U(2x1x1.25")OR	0'	BR	0'	UD-S	0'	WY	0'									
BM61D & U(2x1x1.25")OR	0'	FD-A	0'	UHF(24X36X12)	0'											
BM66 & U(2x1x1.25")OR	0'	HUO(72)	0'	UHF(24X36X36)	0'											
BM71C	0'	UD(2x1x1.25")OR	0'	UHF(24X36X30)T	0'											
BM72	0'	UD(1x10/12mm)V	0'	UHF(48X48X36)T	0'											
BM73	0'	UO(72) MICRO (W/ STORAGE)	0'	UHF(36X60X36)T	0'											

Engineering Associates, Inc.
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Fax 209-830-8157



CVIN
CENTRAL VALLEY
INDEPENDENT NETWORK
855 M Street, Suite 1120, Fresno, CA 93721

DATE: 9/27/2011 SCALE: 1:100 SEGMENT: 15 WAUKENA-LEMOORE GRID: 028

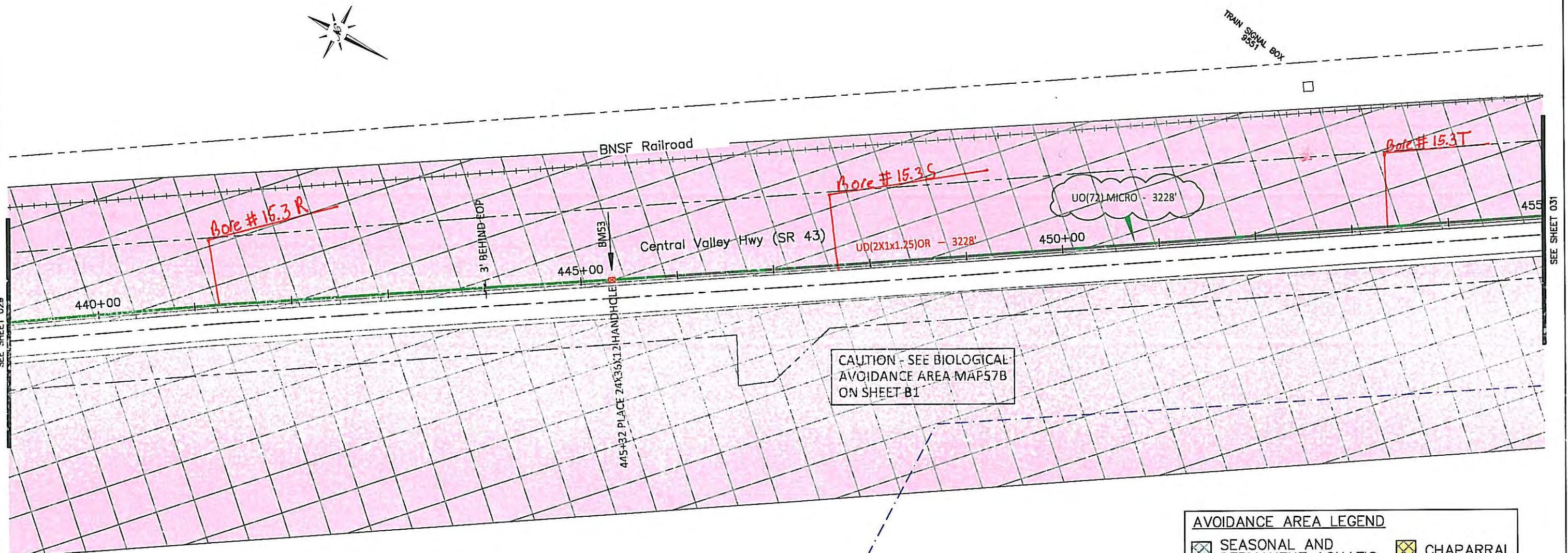


JT - UDP 766'

JT - UDP 530'

221+66
SF 36.15160355°N
119.54538981°W

214+00
uHF 12"
36.15340175°N



AVOIDANCE AREA LEGEND

	SEASONAL AND PERMANENT AQUATIC		CHAPARRAL
	AGRICULTURE		WOODLAND
	GRASSLAND		RIPARIAN
	ALKALI SCRUB		DEVELOPED
	RUDERAL		

X M.P. BW 1/17/13

TABULATION		TABULATION		TABULATION		TABULATION		TABULATION		REV	DATE	DESCRIPTION		BY	CKD	APPV'D
UNIT	QTY	UNIT	QTY	UNIT	QTY	UNIT	QTY	UNIT	QTY							
BM53	1	BM96-G	0'	UD-A	0'	FT	0									
BM60 & U(2x1x1.25")OR	0'	BR	0'	UD-S	0'	WY	0									
BM61D & U(2x1x1.25")OR	0'	FD-A	0	UHF(24X36X12)	0											
BM66 & U(2x1x1.25")OR	0'	HUO(72)	0	UHF(24X36X30)	0											
BM71C	0'	UD(2x1x1.25")OR	3228'	UHF(24X36X30)T	0											
BM72	0'	UD(1x10/12mm)V	0'	UHF(48X48X36)T	0											
BM73	0'	UD(72) MICRO (W/ STORAGE)	3228'	UHF(36X60X36)T	0											

Engineering Associates, Inc.
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CVIN
CENTRAL VALLEY
INDEPENDENT NETWORK
855 M Street, Suite 1120, Fresno, CA 93721
DATE: 9/27/2011 SCALE: 1:100 SEGMENT: 15 WAUKENA-LEMOORE GRID: 030

JT UOP 495

S1 - DM61-U L27

S1 - UVT 211

206+70

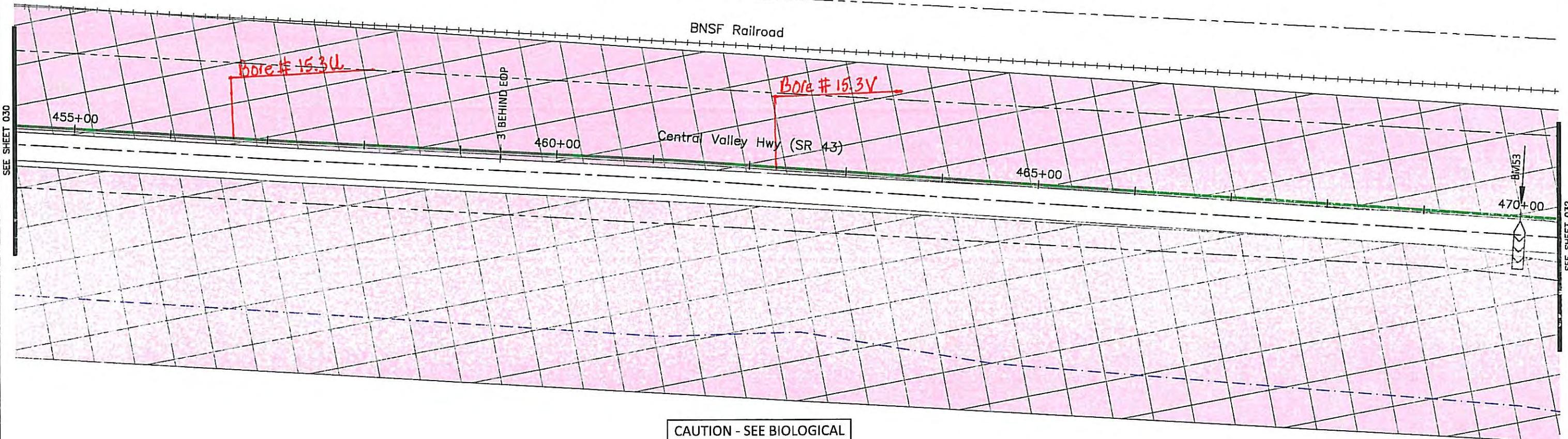
SP 36.15466918°N
119.59760969°W203+75 Per Caltrans
SP 36.15586094°N
119.59848804°W

201+41

St 149+59
36.15711604°N
119.59940007°W

AVOIDANCE AREA LEGEND

	SEASONAL AND PERMANENT AQUATIC		CHAPARRAL
	AGRICULTURE		WOODLAND
	GRASSLAND		RIPARIAN
	ALKALI SCRUB		DEVELOPED
	RUDERAL		

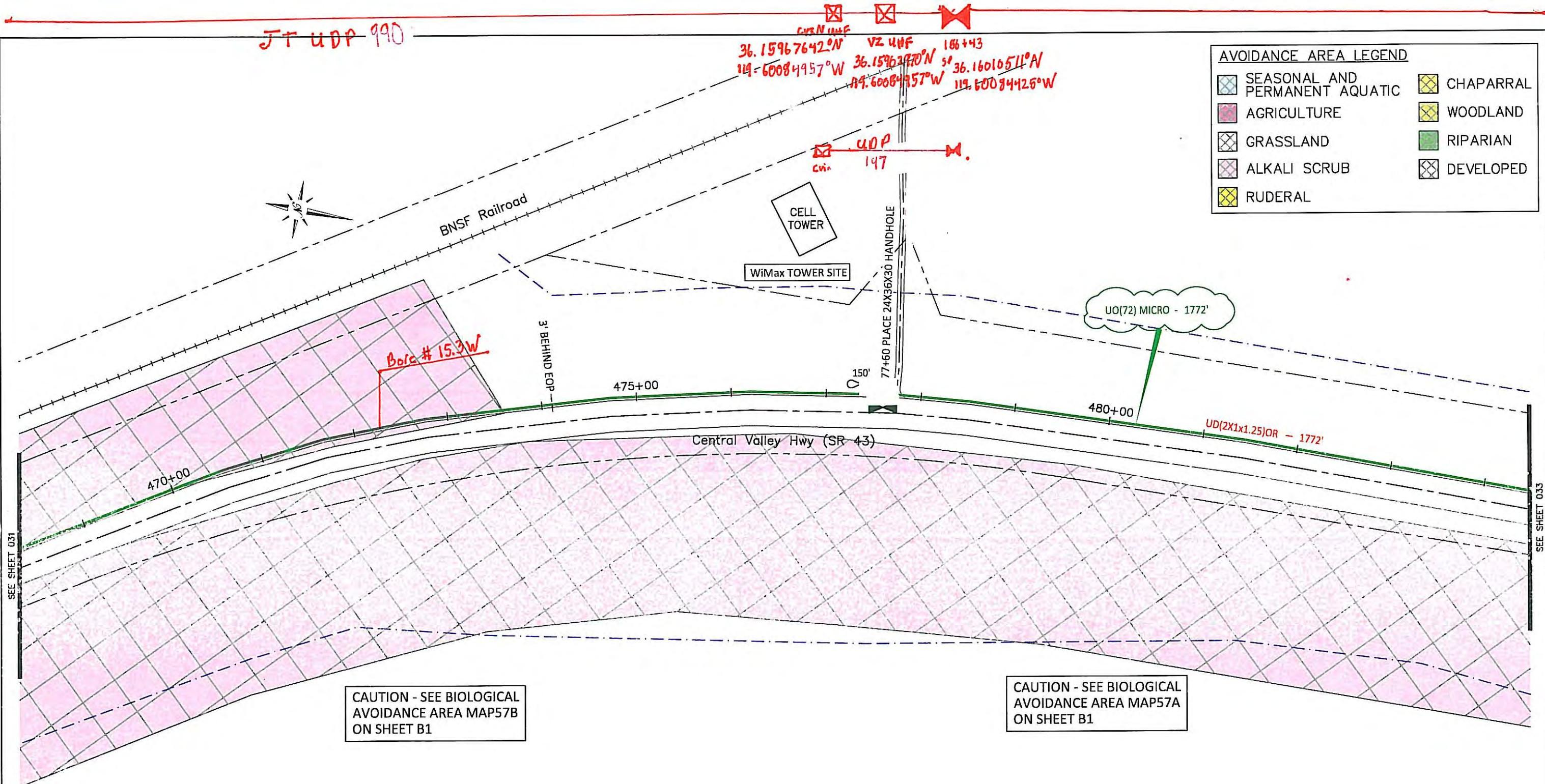


CAUTION - SEE BIOLOGICAL
AVOIDANCE AREA MAP57B
ON SHEET B1

MP: BW 1/17/13

TABULATION		TABULATION		TABULATION		TABULATION		TABULATION		REV	DATE	DESCRIPTION		BY	CKD	APPV'D	Engineering Associates, Inc. 445 W. 11th St. (Suite B) Tracy, Ca. 95376 Ph. 209-830-0162 Fax 209-830-8157		CVIN CENTRAL VALLEY INDEPENDENT NETWORK 855 M Street, Suite 1120, Fresno, CA 93721
UNIT	QTY	UNIT	QTY	UNIT	QTY	UNIT	QTY	UNIT	QTY										
BM53	1	BM96-G	0'	UD-A	0'	FT	0'												
BM60D & U(2x1x1.25")OR	0'	BR	0'	UD-S	0'	WY	0'												
BM61D & U(2x1x1.25")OR	0'	FD-A	0'	UHF(24X36X12)	0'														
BM66 & U(2x1x1.25")OR	0'	HUO(72)	0'	UHF(24X36X30)	0'														
BM71	0'	UD(2x1x1.25")OR	0'	UHF(24X36X30)T	0'														
BM72	0'	UD(1x10/12mm)V	0'	UHF(48X48X36)T	0'														
BM73	0'	UO(72) MICRO (W/ STORAGE)	0'	UHF(36X60X36)T	0'														

DATE: 9/27/2011 SCALE: 1:100 SEGMENT: 15 WAUKENA-LEMOORE GRID: 031



TABULATION		TABULATION		TABULATION		TABULATION		TABULATION		REV	DATE	DESCRIPTION		BY	CKD	APPV'D
UNIT	QTY	UNIT	QTY	UNIT	QTY	UNIT	QTY	UNIT	QTY							
BM53	0	BM96-G	0'	UD-A	0'	FT	0									
BM60D & U(2x1x1.25")OR	0'	BR	0'	UD-S	0'	WY	0									
BM61D & U(2x1x1.25")OR	0'	FD-A	0	UHF(24x36x12)	0											
BM66 & U(2x1x1.25")OR	0'	HUD(72)	1	UHF(24x36x30)	15-10	1										
BM71C	0'	UD(2x1x1.25")OR	1772'	UHF(24x36x30)T	0											
BM72	0'	UD(3x10/12mm)V	0'	UHF(48x48x36)T	0											
BM73	0'	UD(72) MICRO (W/ STORAGE)	1922'	UHF(36x60x36)T	0											

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CVIN
CENTRAL VALLEY
INDEPENDENT NETWORK
855 M Street, Suite 1120, Fresno, CA 93721

EA

DATE: 9/27/2011 | SCALE: 1:100 | SEGMENT: 15 WAUKENA-LEMOORE | GRID: 032

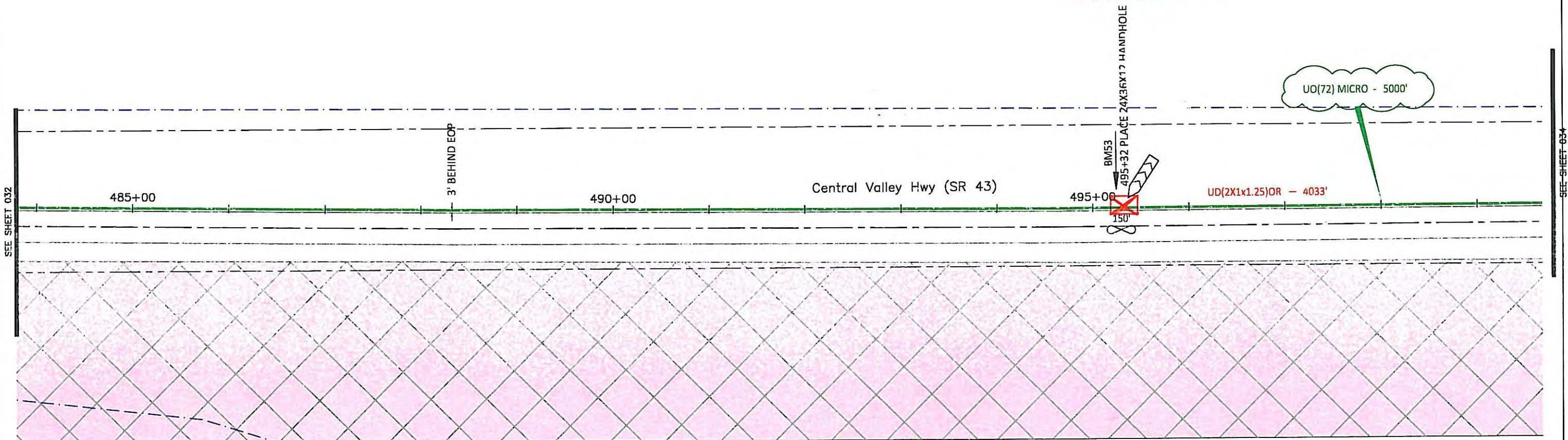
UDP 1411'

UDP 898'

ST 36.16399477°N 172.32°E
 119.60077835°W SP 36.16406261°N
 119.60077832°W



Moved To Grid 034



CAUTION - SEE BIOLOGICAL
AVOIDANCE AREA MAP57A
ON SHEET B1

X *MP:BW 1/17/13*

AVOIDANCE AREA LEGEND

<input type="checkbox"/> SEASONAL AND PERMANENT AQUATIC	<input type="checkbox"/> CHAPARRAL
<input type="checkbox"/> AGRICULTURE	<input type="checkbox"/> WOODLAND
<input type="checkbox"/> GRASSLAND	<input type="checkbox"/> RIPARIAN
<input type="checkbox"/> ALKALI SCRUB	<input type="checkbox"/> DEVELOPED
<input type="checkbox"/> RUDERAL	

TABULATION		TABULATION		TABULATION		TABULATION		TABULATION		REV	DATE	DESCRIPTION		BY	CKD	APPV'D
UNIT	QTY	UNIT	QTY	UNIT	QTY	UNIT	QTY	UNIT	QTY							
BM53	1	BM96-G	0'	UD-A	0'	FT	0									
BM60D & U(2x1x1.25")OR	0'	BR	0'	UD-S	0'	WY	0									
BM61D & U(2x1x1.25")OR	0'	FD-A	0	UHF(24X36X12)	15-11		1									
BM66 & U(2x1x1.25")OR	0'	UO(72)	0	UHF(24X36X30)	0											
BM71C	0'	UD(2x1x1.25")OR	4033'	UHF(24X36X30T)	0											
BM72	0'	UD(1x10/12mm)V	0'	UHF(48X48X36)T	0											
BM73	0'	UO(72) MICRO (W/ STORAGE)	5150'	UHF(36X60X36)T	0											

Engineering Associates, Inc.

445 W. 11th St. (Suite B)

Tracy, Ca. 95376

Ph. 209-830-0162

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CVIN
 CENTRAL VALLEY
 INDEPENDENT NETWORK
 855 M Street, Suite 1120, Fresno, CA 93721

DATE:

9/27/2011

SCALE:

1:100

SEGMENT:

15 WAUKENA-LEMOORE

GRID: